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Please amend the following claims:

1. (Twice Amended) A device for forming fixation masses about a portion of a bone

consisting of
~~comprising~~

a head portion having an injection site for releasably attaching an injection device to said injection site;

a threaded shaft portion having a proximal portion and a distal portion, said shaft portion terminating at a tip portion;

a cannula extending along at least a portion of a length of said shaft portion from said injection site on said head portion substantially along a center-line within said shaft portion, said

cannula configured to receive a fixation substance; and

at least one slot in said [shaft] proximal portion and at least one slot in said distal portion,

said slots in fluid communication with the cannula for delivery of said fixation substance about said device and in proximity to a cortex portion of the bone.

2. (Twice Amended) The device in accordance with claim 1, wherein said at least one slot [comprises two slots] is disposed proximate said head portion and said at least one slot is [a second of the two slots] disposed proximate said tip portion.

10. (Twice Amended) A bone anchoring device comprising:

a head portion at a proximal end of said anchoring device, the head portion having an attachment means for attaching an injection device and an engagement means for engaging with a tool for inserting said anchoring device;

an elongate shaft portion having an external threaded portion and a cannula extending along at least a portion of the shaft portion, said cannula suitably configured to internally deliver an anchoring substance;

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a tip portion at a distal end of the shaft portion; and

at least one delivery port at said proximal end and at least one delivery port at said distal end

said delivery ports extending from said cannula to deliver said anchoring substance near a bone

surface and to form an anchoring mass about said anchoring device and the bone.

14/23. (Amended) A method for strengthening fixation of a fixation device to a bone comprising the steps of:

- C3
- (a) providing a fixation device;
 - (b) drilling a pilot hole in the bone;
 - (c) inserting said fixation device into said pilot hole;
 - (d) injecting a fixation substance into a cannula of said fixation device; [and]
 - (e) delivering said fixation substance about the bone through a plurality of slots extending outward from said cannula; [forming areas of fixation masses near a proximal portion and a distal portion of said fixation device and the bone.]
 - (f) forming areas of fixation masses near ^{at least one of} a proximal portion and a distal portion of said fixation device and the bone.

26/35. (Amended) A method for increasing the holding power of a bone fixation device comprising the steps of:

- C4
- (a) engaging said device within the bone;
 - (b) disposing a bone cement through a bore in said device and through at least [one] two openings in said device;
 - (c) disbursing said cement through a first opening proximate to a head portion of said device near an inner cortex portion of the bone, and through a second opening proximate to a tip portion of said device near an outer cortex portion of the bone

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[proximate said device and the bone]; and

(d) curing said cement to form a cement mass about said device and the bone.

28/ 39. (Amended) The method of claim [37] 38, wherein said disposing step comprises disposing said cement through three openings in said device, and said disbursing step comprises disbursing through a first opening proximate to a head portion of said device near an upper inner cortex portion of the bone, and disbursing through a second opening proximate to a tip portion of said device near a lower inner cortex portion of the bone, and disbursing through a third opening proximate said tip portion near a lower outer cortex portion of the bone.

32/ 44. (Amended) The device in accordance with claim [43] 1, wherein said first slot delivers said fixation substance to form a fixation mass to strengthen the fixation about an inner cortex portion of the bone.

REMARKS

The July 10, 2000 Final Office Action rejected all claims pending in the application. The present Amendment and Response cancels claims 37, 38, 43 and 45 without prejudice or disclaimer to clarify the invention and integrate the subject matter. An agreement between the Examiner and Applicants' Attorney was reached during the Interviews whereby Applicants submit the above amendments to claims 1, 2, 10, 23, 35, 39 and 44. After entry of the foregoing amendments, claims 1-5, 7, 10-12, 15, 17-19, 23-36, 39-42, 44 and 46-47, which include 5 independent claims and 34 total claims, remain pending in the application.

In view of the foregoing amendments, following remarks, and Examiner's Telephone Interviews conducted on October 6, 2000 and October 16, 2000, Applicants believe the pending claims are allowable over the prior art made of record. Reconsideration of the application is respectfully requested.

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